

## Product datasheet for **MG219989**

### **Kbtbd12 (NM\_029013) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kbtbd12 (NM_029013) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kbtbd12
Synonyms:	4833415F11Rik; 4933428M03Rik; Klhdc6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219989 representing NM_029013 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTGCAAGACTAAGGGGAAACACCAGCATAGCTTGAACCTACTAGATAAAAATTAAGAATATGAAAG  
AGTTAGAAGAAATGATTGATGTAGTGCTCATAGCAGAAGAGGAGAAAATCCCTTGCCACAGACTGGTGCT  
CGCTGCCTTTAGTCCTTATTTCAAGGCTATGTTACCTGTGGACTACTCGAGTGCAGTGCAGAGAGAGGTC  
ATACTCTATGACATCACAGCAGAAAGTGTGTGAGTATTAACACTACATGTACAGTGTCTGCTGGAGA  
TCAATAACGCCAACGTTACAGCCGTAGCCATGGCTGCCTATTTTATGCAGATGGAAGAAGTCTTTAGTGT  
GTGCCAAAATATATGATGGACCACATGGATGCCTCCAAGTGCATAGGAATTTACTTTGCAAAAACAA  
ATCGGAGCAGAAGATTTATCGGATCAGTCGAAGAAGTATTTATACCAGCACTTCGCCGAGGTAAGCCTTC  
ATGGAGAAATACTTGACATCGAAGCTCACCAGCTTCTGGCACTTATTAAGTCTGATGATCTGAATATATC  
CAGAGAAGAGAGCATTCTGGATTTGGTTCTGAGATGGGTAACCAATAACCAAGCTTTGCCACAGAGCAT  
CTCGTTGAGCTTTTGAAGCAAGTCAGACTGGAAGTATAAACGCTTCTTTCTAAGACAGGCCCTCAGAA  
GGAACACGATGCTCCTTTGTGATGGCAGTTGCATTGATATAATCCAGAATGCGTTCAAAGCCATCAAGAC  
ACCCACAGCAGACCCCTCAACCTTCGCTATGGCATGGAGACCACCAGCCTTCTGCTTTGCATTGGGAAC  
AATTTCTTGAATCAGATCAAGGCACAGGAGCTATGGGATGCCAGTTTTGTTATGACCTGTGTCCAC  
ACAAGACCTATTTTATCATCACCAAGTATGGGGAGGTTTGGGAAGTGTGTGCACTGGGGTAGTCAT  
GGAAAACAATACTGTAATTGTGGCTGGAGAAGCAACTGCCACTAGGCTCTCTAGGCAAAAGCAAGAAT  
ATTGAAATCTATAGTGTGTATCTCATAGCAGGTTTGGTATTTTTGTTTTGTTTTGTTAAGA

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG219989 representing NM\_029013  
 Red=Cloning site Green=Tags(s)

MECKTKGKHQHSLNLLDKIKNMKELEEMIDVVLIAEEEEKFPCHRLVLAAFSPYFKAMFTCGLLECTQREV  
 ILYDITAESVSVILNMYSAVLEINNANVQTVAMAAYFMQMEEVF SVCQNYMMDHMDASNCIGIYYFAKQ  
 IGAEDLSDQSKKYLYQHFAEVS L HGEILDIEAHQLLALIKSDDLNISREESILDLVLRWVNHQALRTEH  
 LVELLKQVRLELINASFLRQALRRNTMLLCDGSCIDI IQNAFKAIKTPQQHPSNLRYGMETTSLLLCIGN  
 NSSGIRSRHSYGDASF CYDPVSHKTYF ISSPKYGEGLGTVCTGVVMENNTVIVAGEATATRLSRQKSKN  
 IEIYRCVSHSRFGIFCFVLLR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_029013

**ORF Size:** 1113 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_029013.2](#), [NP\\_083289.2](#)

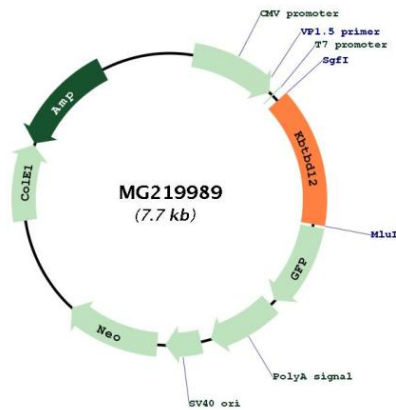
**RefSeq Size:** 1572 bp

**RefSeq ORF:** 1116 bp

**Locus ID:** 74589

**Cytogenetics:** 6 D1

**Product images:**



Circular map for MG219989